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Date: May 17, 2005

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To:	Company:	Facsimile No:	Telephone No:
Examiner: Bastianelli, John	USPTO, Art Unit: 3751	703-872-9301-6	
From:	Jeffrey J. Miller	Direct Phone:	617.535.4421
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Sent By:		Direct Phone:	
Client/Matter/Tkpr:	056231-0434-5664	Original to Follow by Mail:	No
		Number of Pages, Including Cover:	20
Re:	Application Serial No: 10/673,989		

Message:

In re Application of:	Paul D. Lucas and Anthony J. Carbone	Conf. No.: 2828
Serial No:	10/673,989	Examiner: Bastianelli, John
Filing Date:	September 29, 2003	Art Unit: 3751
Title:	Valve Assembly Having Improved Conductance Control	
Docket No:	56231-434 (MKS-135)	

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U.S. practice conducted through McDermott Will & Emery LLP.
28 State Street Boston, Massachusetts 02109-1775 Telephone: 617.535.4000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Paul D. Lucas and Anthony J. Carbone Conf. No.: 2828
 Serial No: 10/673,989 Examiner: Bastianelli, John
 Filing Date: September 29, 2003 Art Unit: 3751
 Title: **Valve Assembly Having Improved Conductance Control**
 Docket No: 56231-434 (MKS-135)

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being facsimile transmitted to Technology Center 3700 of the U.S. Patent and Trademark Office (Fax No. **703-872-9306**) on May 17, 2005.


 Jeff Miller

Via Facsimile 703-872-9302
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Applicant encloses herewith for filing in connection with the above-referenced patent application the following documents:

1. AMENDMENT "B" for filing in response to Office Action of February 24, 2005.

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	25	45	0	\$100.00 =	\$0.00
Independent Claims	2	4	0	\$200.00 =	\$0.00
Multiple claims newly presented					\$0.00
Total of Above Calculations					\$0.00

The Commissioner is hereby authorized to charge the payment of the fees associated with this communication or credit any overpayment, to Deposit Account No. 50-1133, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Date: May 17, 2005

Respectfully submitted,



Jeffrey J. Miller, Reg. No.: 39,773
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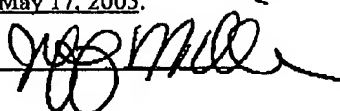
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Paul D. Lucas and Anthony J. Carbone Conf. No.: 2828
Serial No: 10/673,989 Examiner: Bastianelli, John
Filing Date: September 29, 2003 Art Unit: 3751
Title: Valve Assembly Having Improved Conductance Control
Docket No: 56231-434 (MKS-135)

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Jeff Miller



Via Facsimile 703-872-9302
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT B

Sir:

In response to the Office Action mailed February 24, 2005, please amend the above-identified application as follows:

Amendments to the Specification are provide on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 4 of this paper.

Remarks/Arguments begin on page 13 of this paper.

BST99 1458609-1.056231.0434